
0600Fz--HOS Davis Cruise 03 SEP 8-28 2010

****DATA SOURCE****
Data represent results from surveys conducted in the Gulf of Mexico. These data are from samples collected during HOS Davis Cruise 03 SEP 8-28 2010.

Data were compiled from NewFields Environmental Forensics Practice, LLC (Alpha) lab electronic data. The following SDGs (QC Batches) have been incorporated: 1009198, 1009199, 1009200, 1009201, 1009206, 1009207, 1009208, 1009209, 1009250, 1009251, 1009252, 1009253, 1009315, 1009316, 1009317, 1009318, 1009334, 1009335, 1009336, 1009337, 1009390, 1009391, 1009392, 1009393, 1009395, 1009396, 1009397, 1010015, 1010016, 1010017, 1010018, 1010020, 1010021, 1010022, 1010023.

****DATA COLLECTION PURPOSE****
Natural Resource Damage Assessment

****DATA USE QUALIFICATION****
Values for concentration and detection limit should be interpreted to 3 significant figures. Values for reporting limits should be interpreted to 1 significant figure.

****STUDY****
The data include water, oil, and sediment (surface and subsurface) chemistry data, as well as one tissue (mussel) sample.

****STATION****
StationIDs are based on the Location in the NOAA Field Sampling database (Location Code/Sample Notes). Datum is assumed to be NAD83.

****SAMPLES AND REPLICATES****
The original SampleIDs reported by the lab from the Chain-of-Custody are stored in the ExSampID field.

Whole water samples and VOA samples (unfiltered) are represented with matrix of "WH." Filtered (dissolved) samples have an "F" at the end of the Query Manager SampleID, and coded with a Matrix of "DS." Particulate samples are coded with a "P" at the end of the sampleID, and a Matrix of "PT." Note that the particulate fraction represents the filter that has been analyzed after flushing with a volume of water; thus the concentrations are provided in a liquid basis (in smpwat/chemwat tables).

Sediment core samples were coded with a SampleID that mirrored the original sampleID, such as: S5004B (second sample [B] from the fourth grab sample) has a SampleID of S0402.

The collection depth of water samples in the fields UDepth and LDepth are reported in meters. The collection depth of sediment samples in the fields UDepth and LDepth are reported in centimeters.

Samples were assigned to each unique location and depth, and field duplicates were coded with a "D" in the SampleID and with a SampType of "FDUP." Subsequent field duplicates (splits) then have a sequential numbering "D2, D3, etc.

The default labrep code was "1A." Lab duplicates (second analysis of same sample for same analytical method) were assigned labrep "2A".
Lab duplicates were identified as those samples with a "D" suffix on the labID.

The following chemcode/analytes were measured using two methods:

8270 M - Alkylated PAHs and 8270 M - Steranes&Triterpane
HOP/Hopane
The results for S8270 M - Steranes&Triterpane were assigned labrep "1AX" (or "2AX" for laboratory duplicates)

Methods: PIANO Volatile Hydrocarbons by GC/MS | 8260M and Alkylated Polynuclear Aromatic Hydrocarbons | 8270M
NAPTHALENE/ Naphthalene
The results for PIANO Volatile Hydrocarbons by GC/MS were assigned labrep "1AX"

Alpha Lab Analytical Methods:
Alkylated Polynuclear Aromatic Hydrocarbons | 8270M | SOP. 0-008 Rev. 6 (abbreviated as 8270 M - Alkylated PAHs)
Inorganics | 9060M | SOP. W-028 Rev. 1 (abbreviated as Lipids)
PIANO Volatile Hydrocarbons by GC/MS | 8260M | SOP. 0-019 Rev. 2 (abbreviated as 8260 M - PIANO VolHC - GC/MS)
Percent Solids Determination - 2540G - SOP W-001 (abbreviated as 2540G - Total Solids)
Steranes and Triterpanes | 8270M | SOP. 0-008 Rev. 6 (abbreviated as Steranes and Triterpanes | 827)
Total Organic Carbon | 8015M | SOP. 0-003 Rev. 5 (abbreviated as 9060 M - TOC)
Total Saturated Hydrocarbons by GC/FID | 8015M | SOP. 0-003 Rev. 5 (abbreviated as 8015 M - Tot Sat. HC - GC/FID)
Triaromatic Steroids | 8270M | SOP. 0-008 Rev. 6 (abbreviated as Triaromatic Steroids | 8270M |)

****SUMMED PARAMETERS****
No sums were calculated.

****QUALIFIERS****
Qualifiers recorded in the chemistry files represent the final data qualifiers provided by the data validation. Descriptions of the data qualifiers are included in the data dictionary.

****OTHER****
The original analyte reported as Benzo(k)fluoranthene was identifed by the data validators to be a coelution of Benzo(k)fluoranthene and Benzo(j)fluoranthene. Therefore, the chemical data for

the original Benzo(k)fluoranthene results have been assigned a chemical code for Benzo(j+k)fluoranthene.

ExSampID GU2790-A0927-S501E was matched to FSDB GU2888-A0927-S501E based on same StationID and apparent error in Grid assignment (and also matched to SCRIBE).